

- Electrical safety switch controlled by liquid or gaseous pressure for use in e.g. carpet cleaner - has annular magnet carried on membrane sensitive to fluid pressure and coupled to central magnet which displaces contacts.

L20 ANSWER 91 OF 121 WPINDEX COPYRIGHT 2002 DERWENT INFORMATION LTD

AN 1996-289450 [30] WPINDEX

DNN N1996-242931

DC P28 U24 V03 X13

IN BUFFET, J C; RAUT, L

PA (EAYT) EATON SA MONACO; (EAYT) EATON CORP

CYC 6

PI FR 2727787 A1 19960607 (199630)\* 16p

EP 718861 A1 19960626 (199630) FR 8p

R: DE ES FR GB IT

US 5703552 A 19971230 (199807) 6p

EP 718861 B1 19990203 (199910) FR

R: DE ES FR GB IT

DE 69507682 E 19990318 (199917)

ADT FR 2727787 A1 FR 1994-14886 19941206; EP 718861 A1 EP 1995-420340

19951201; US 5703552 A US 1995-567448 19951205; EP 718861 B1 EP

1995-420340 19951201; DE 69507682 E DE 1995-607682 19951201, EP

1995-420340 19951201

FDT DE 69507682 E Based on EP 718861

PRAI FR 1994-14886 19941206

AN 1996-289450 [30] WPINDEX

AB FR 2727787 A UPAB: 19960731

The safety switch includes a body (10) having a channel (11) with a venturi region (28,29,30) for the flow of fluid in communication (23) with a chamber (22). The fluid acts on the membrane (24) within this chamber against the push of a return spring (26). The membrane is fixed around its edge between the body and the insulating casing (9) and supports an annular magnet (25).

The annular magnet surrounds a sealed and electrically isolated enclosure (19) which houses and guides the central magnet (20) which moves axially to displace a moving contact (18) relative to a fixed contact (18).

USE/ADVANTAGE - Protective switch for carpet cleaner. Discriminates between air and water flow when reservoir exhausted. Simpler, less costly manufacture.

Dwg.2/5